

FIG. 1

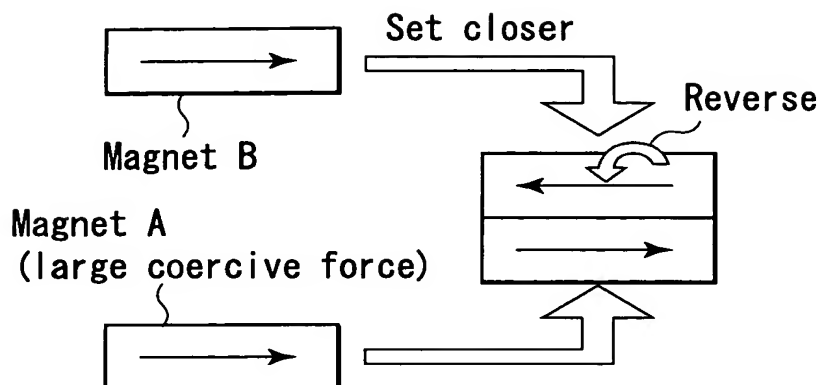


FIG. 2

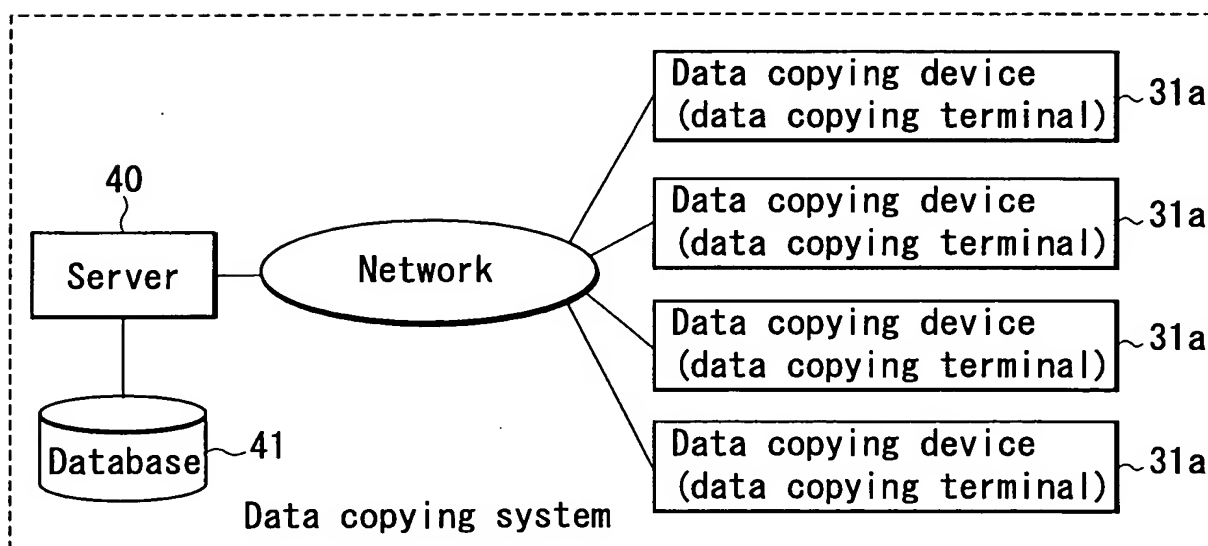
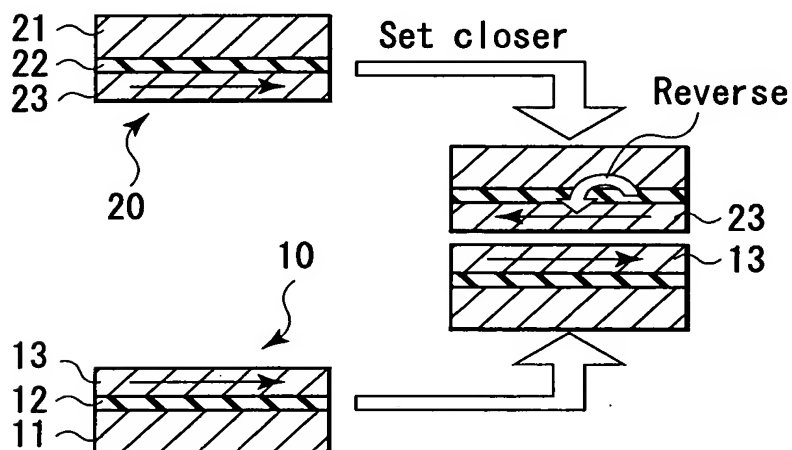


FIG. 3

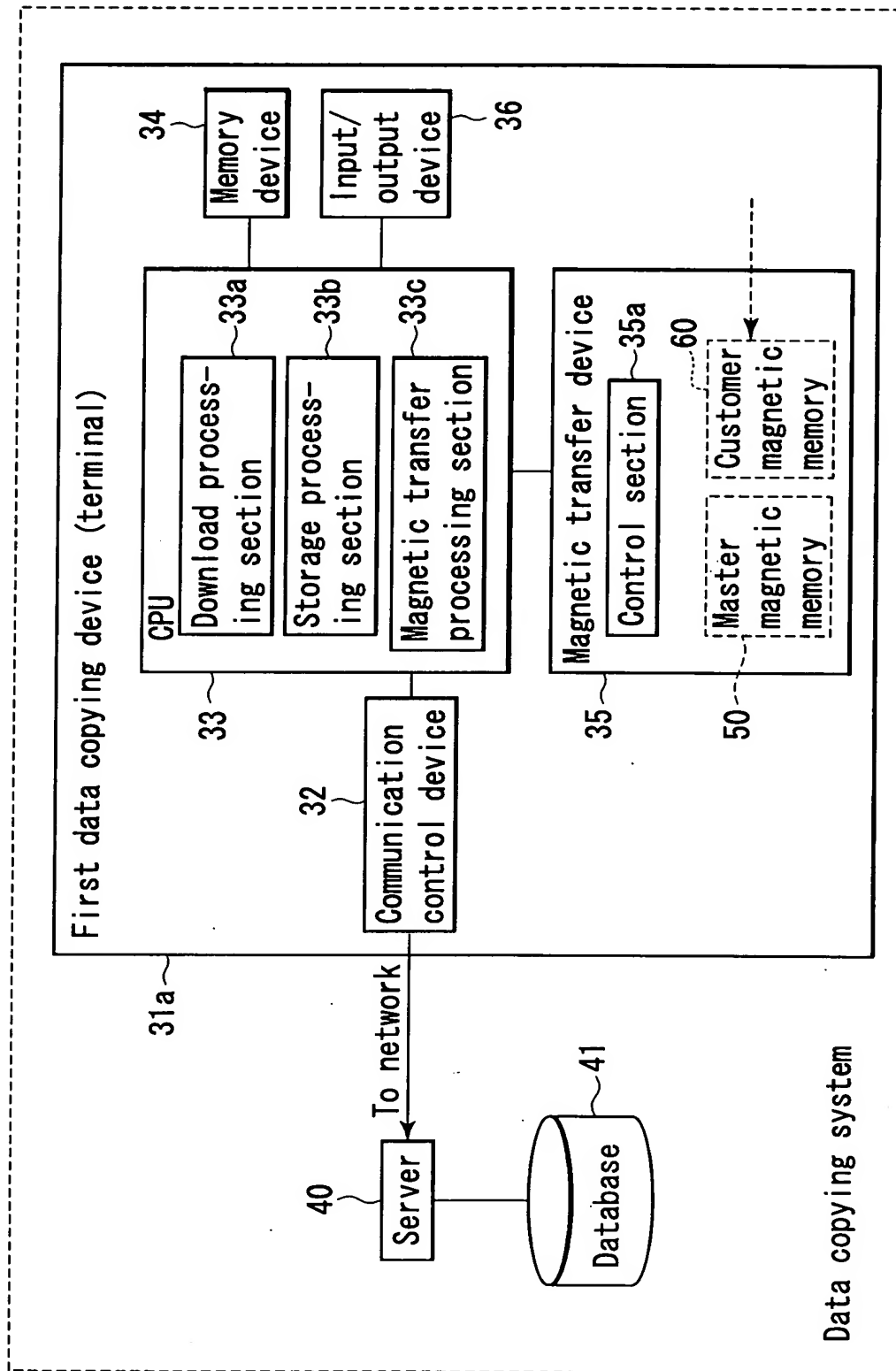


FIG. 4

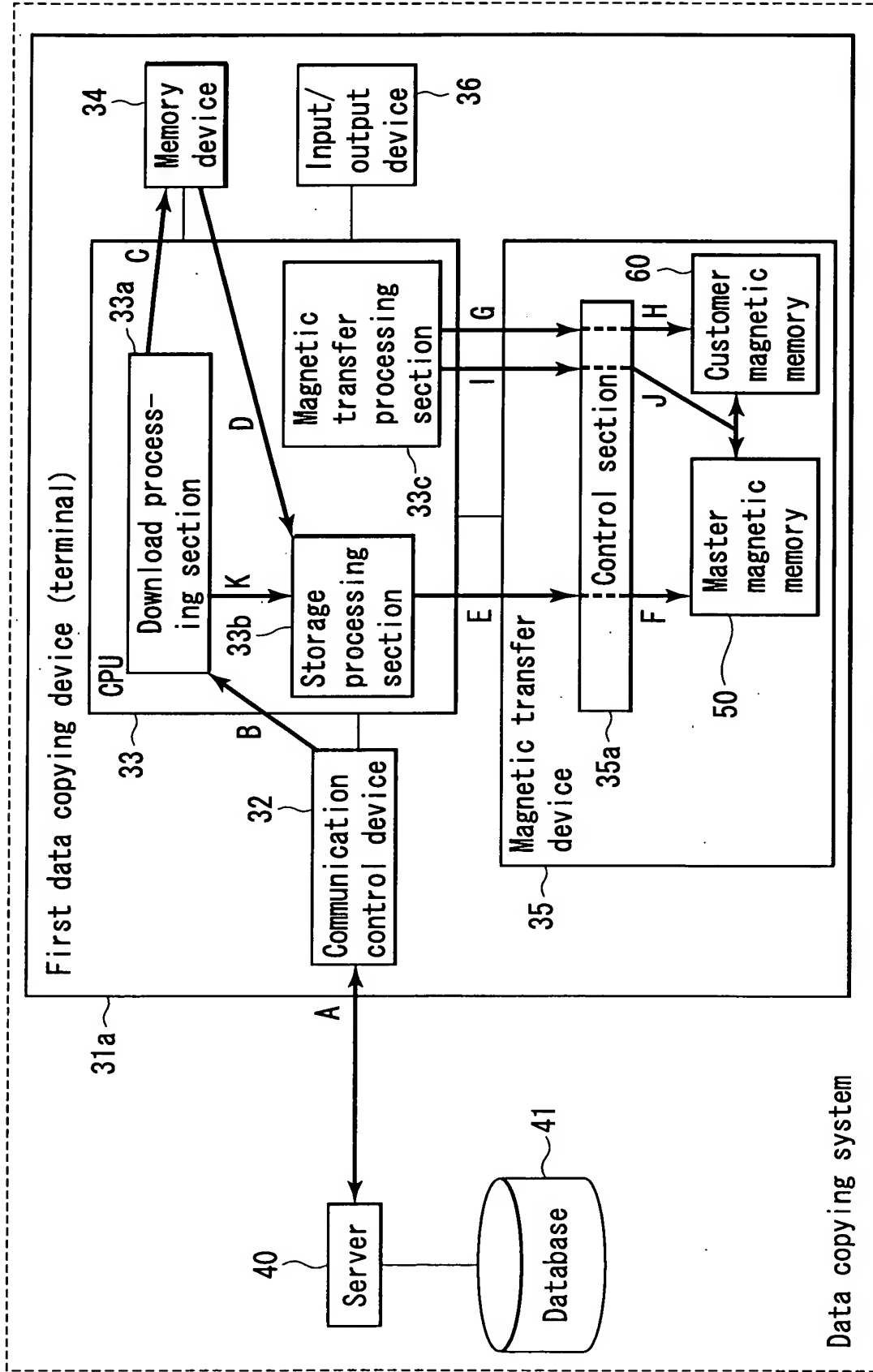


FIG. 5

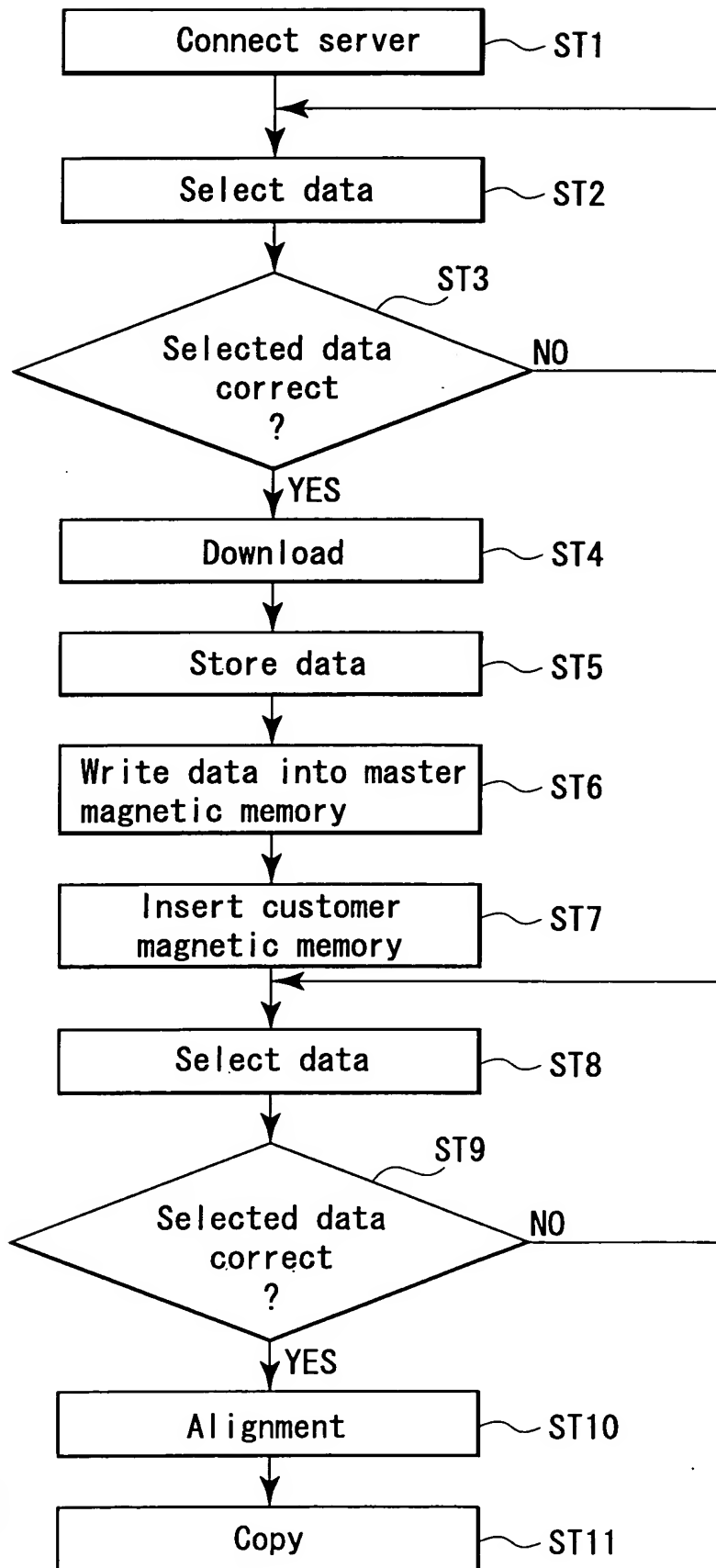


FIG. 6

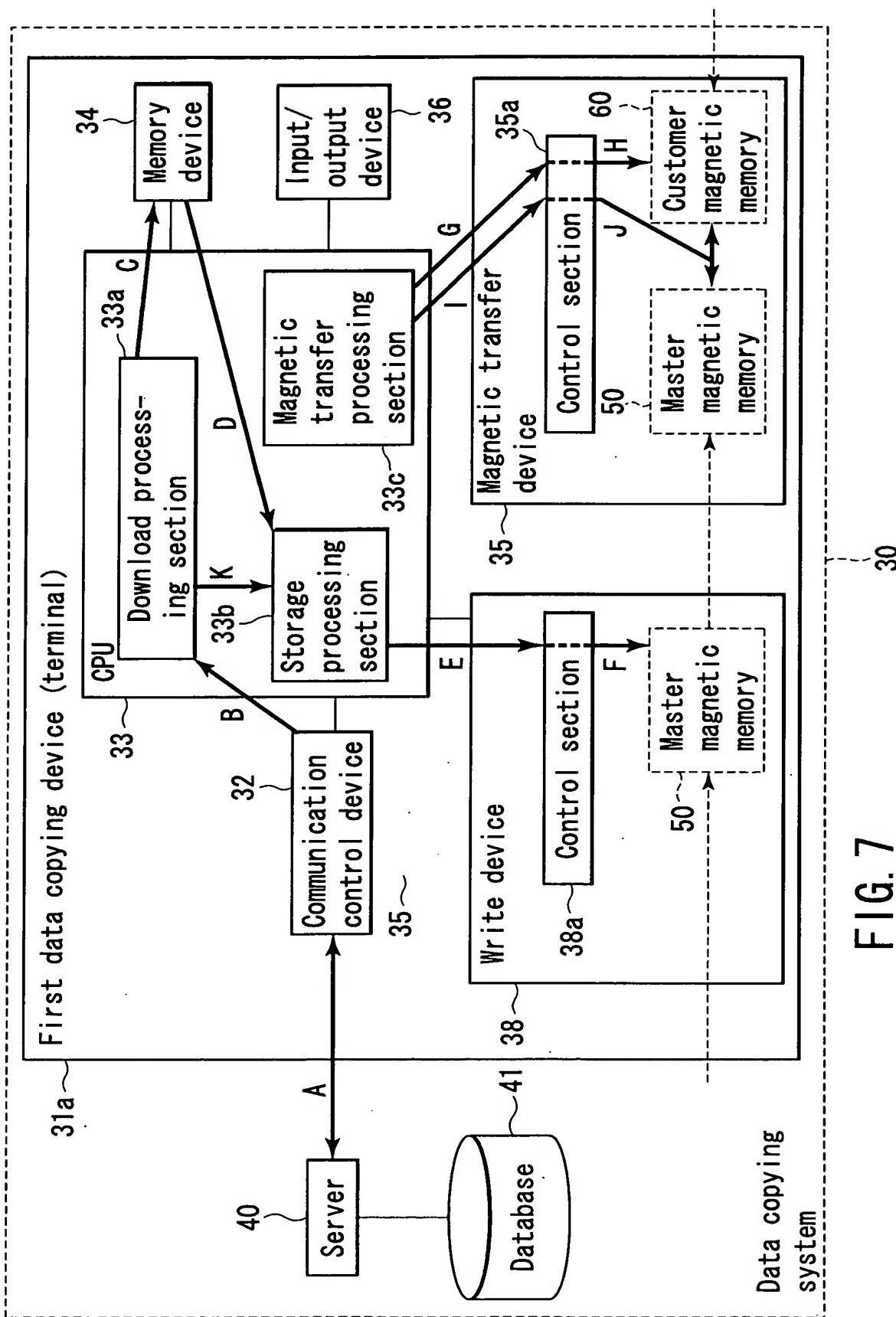


FIG. 7

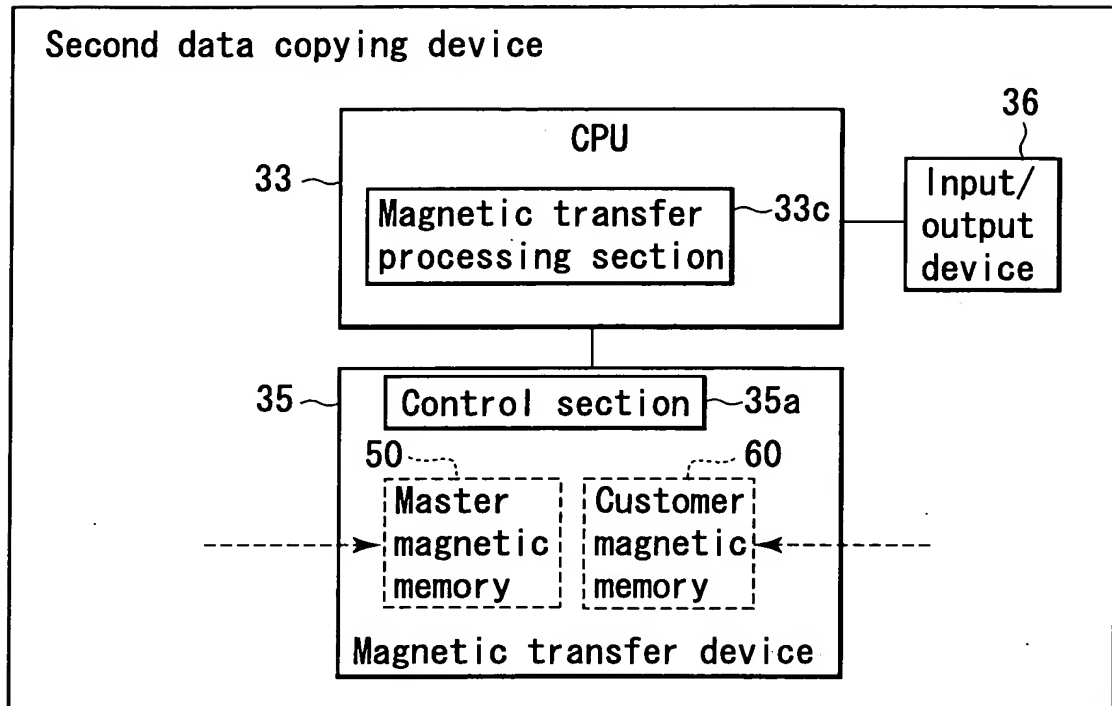


FIG. 8

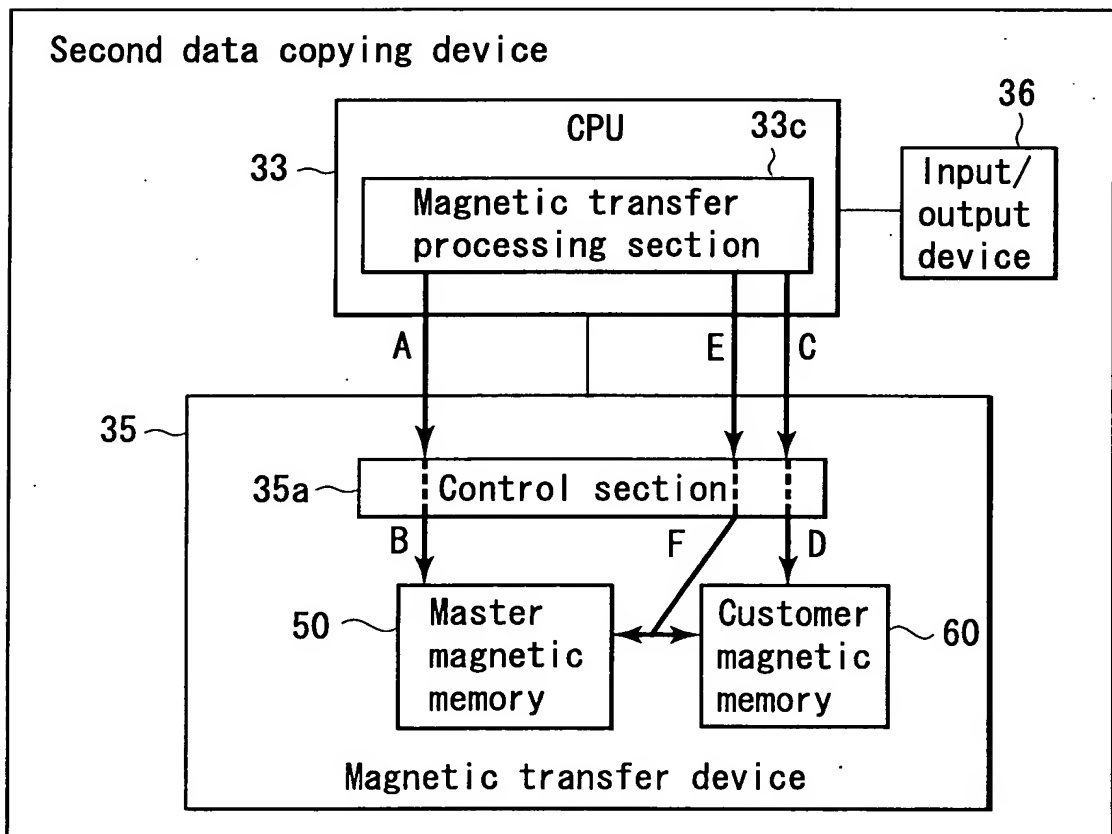
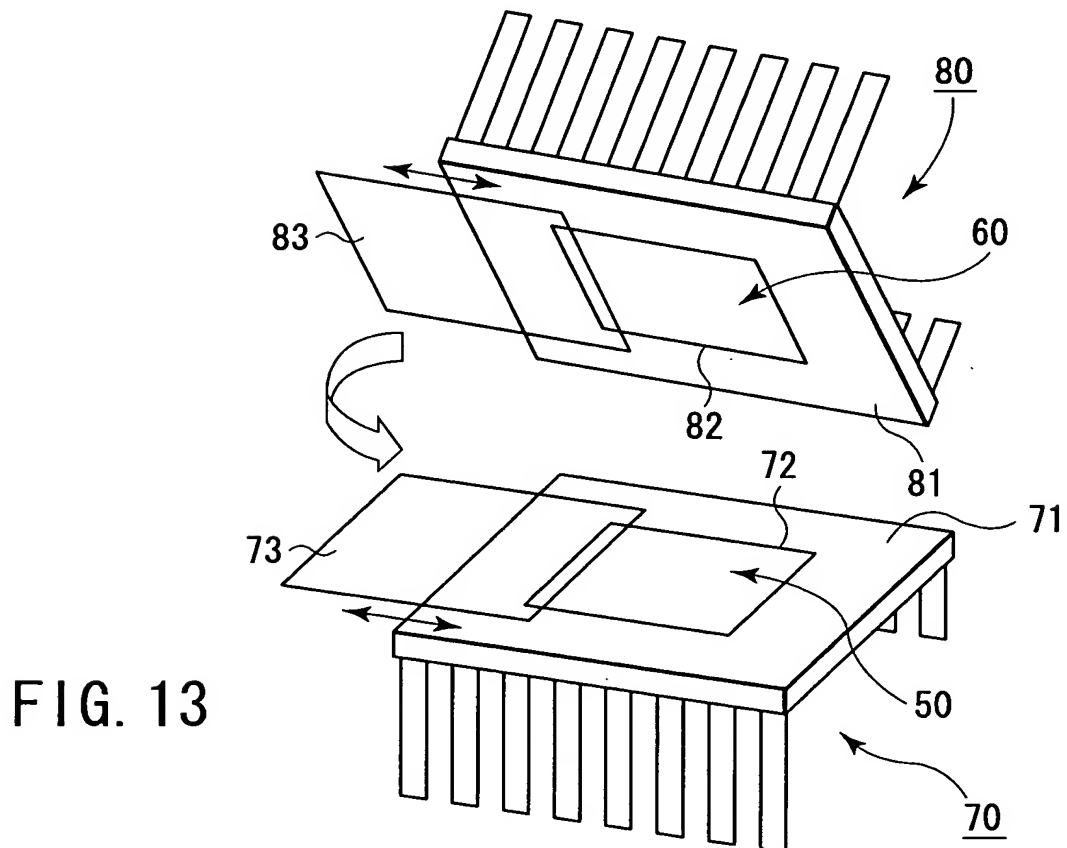
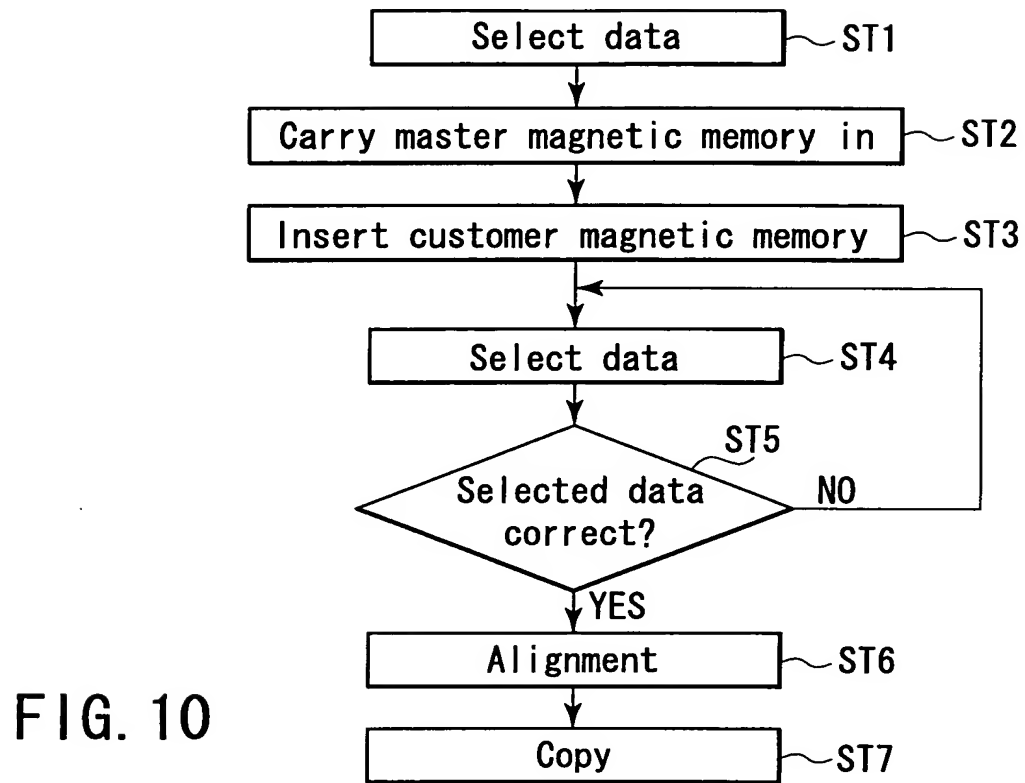


FIG. 9



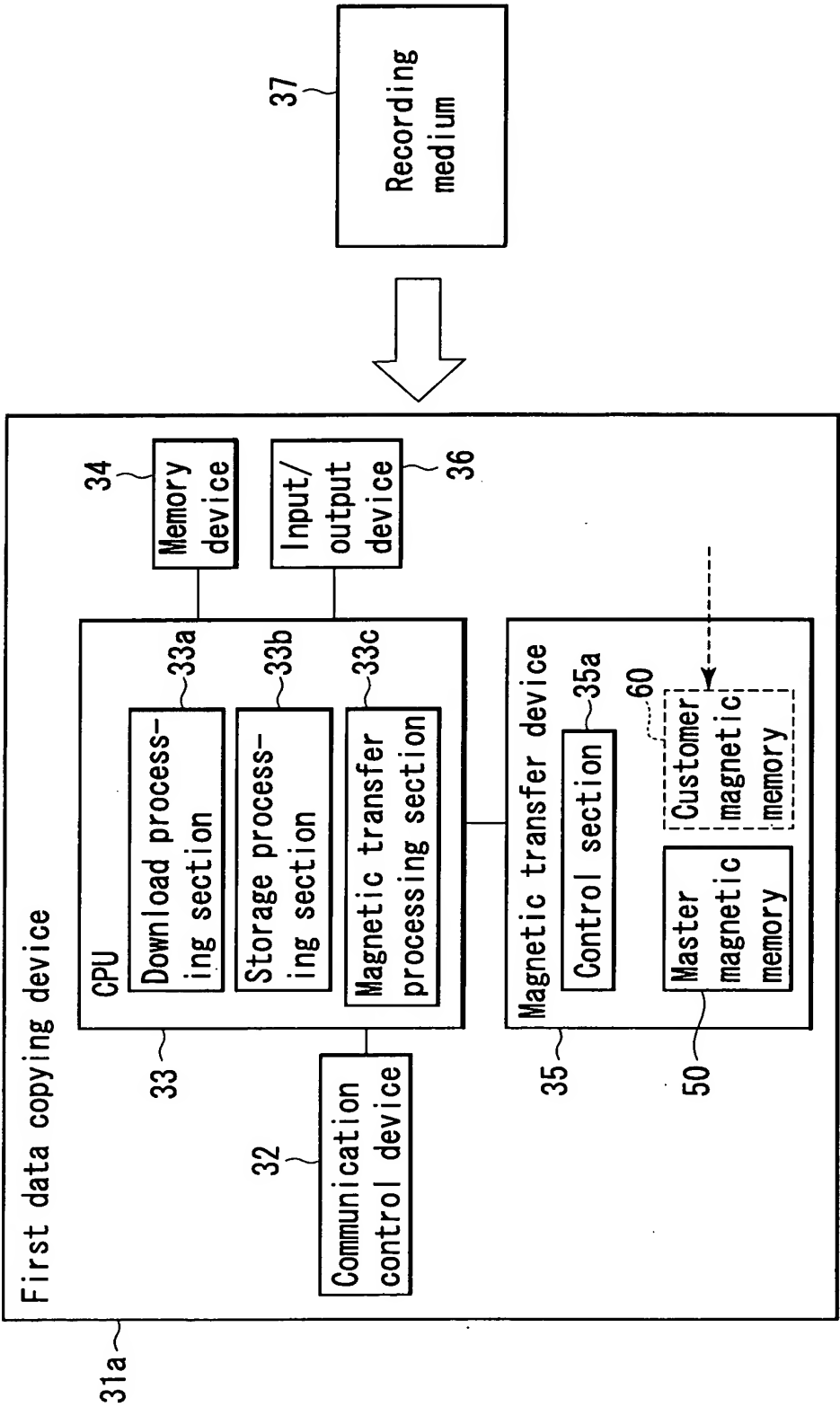


FIG. 11



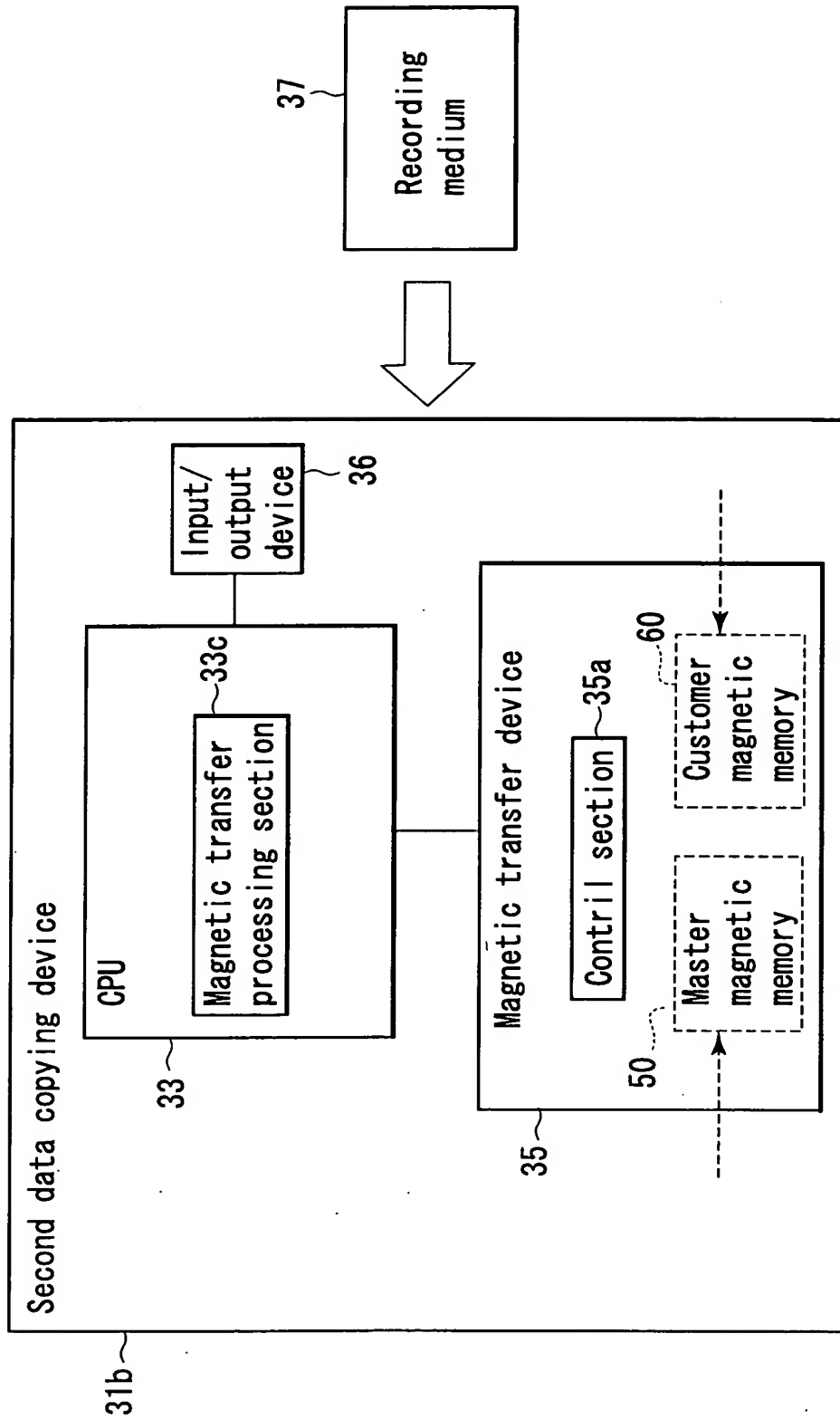


FIG. 12

FIG. 14

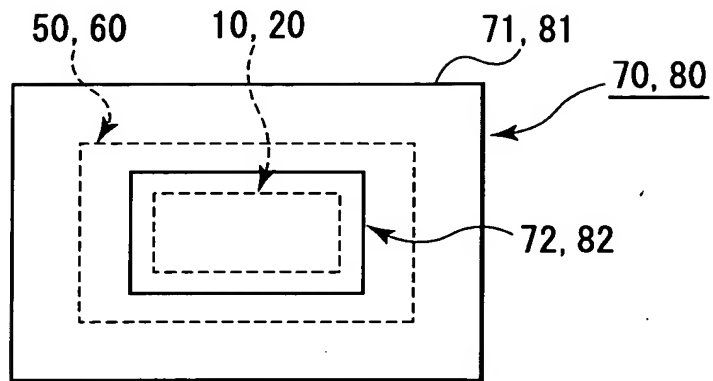


FIG. 15

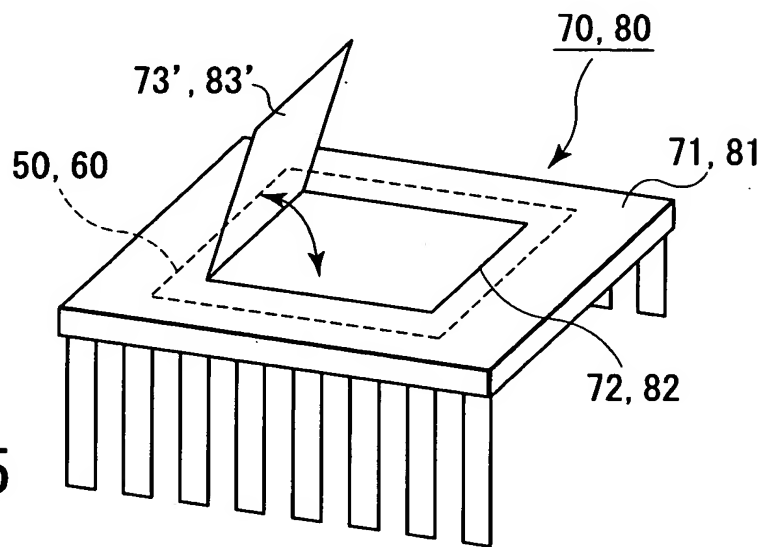
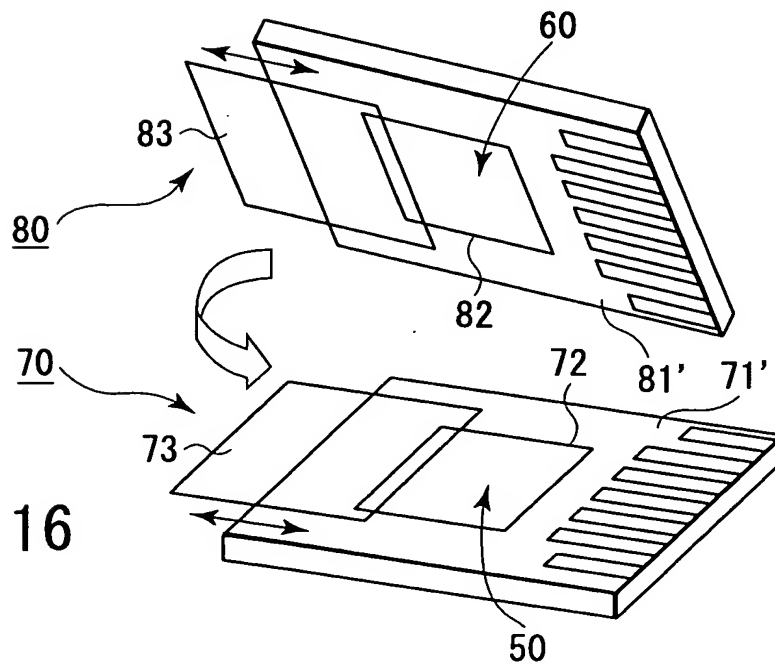


FIG. 16



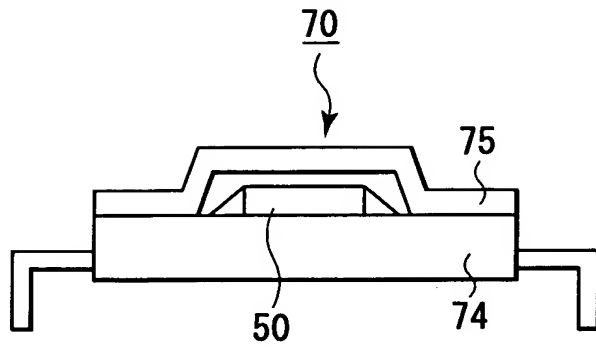


FIG. 17A

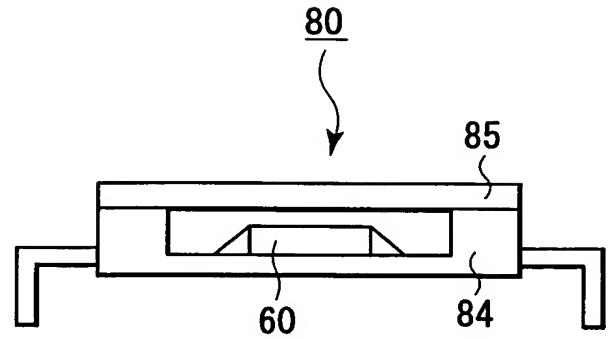


FIG. 17B

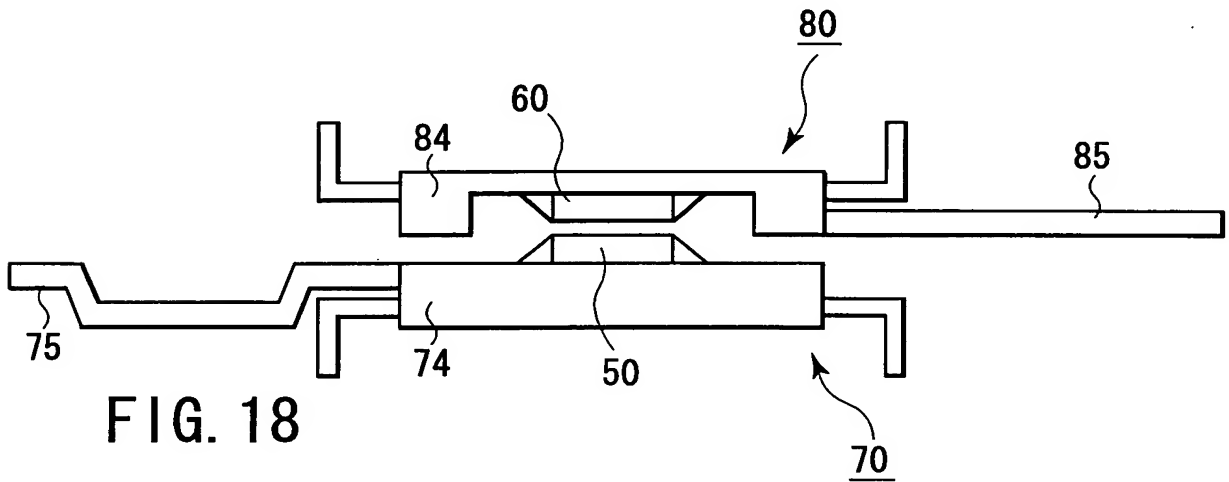


FIG. 18

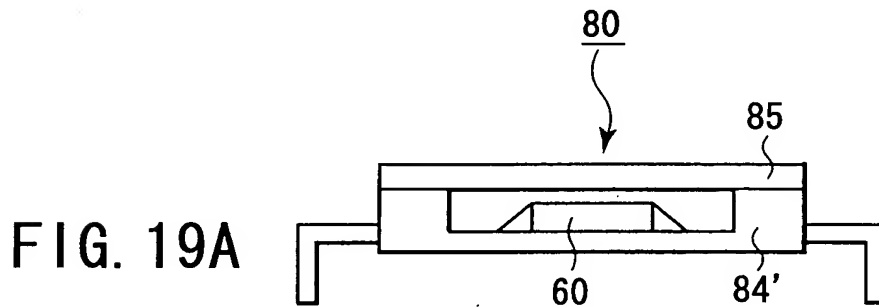


FIG. 19A

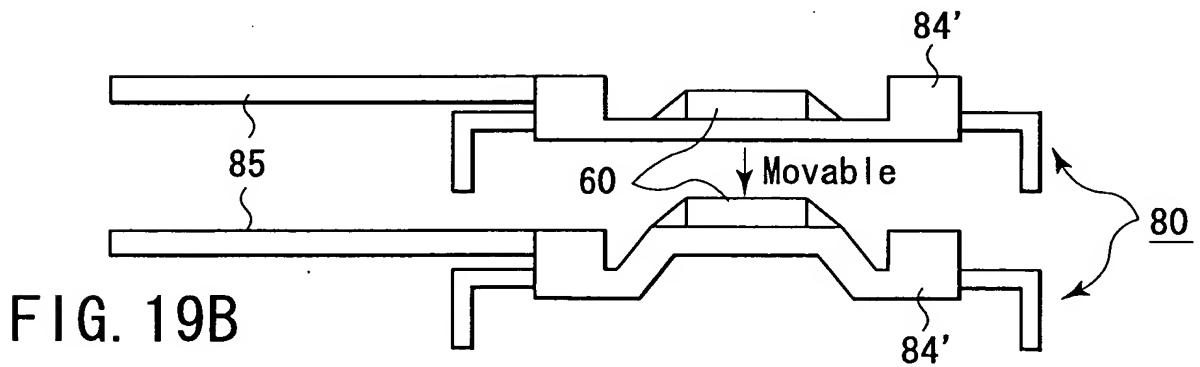


FIG. 19B

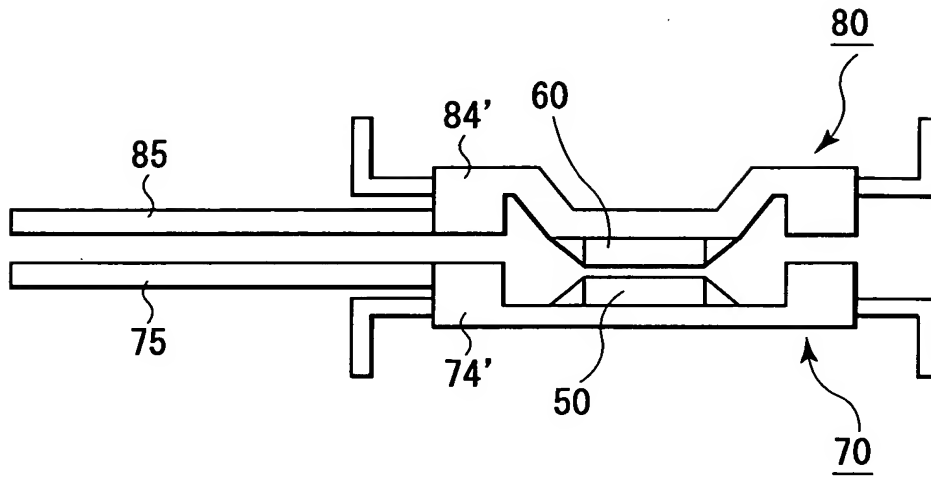


FIG. 20

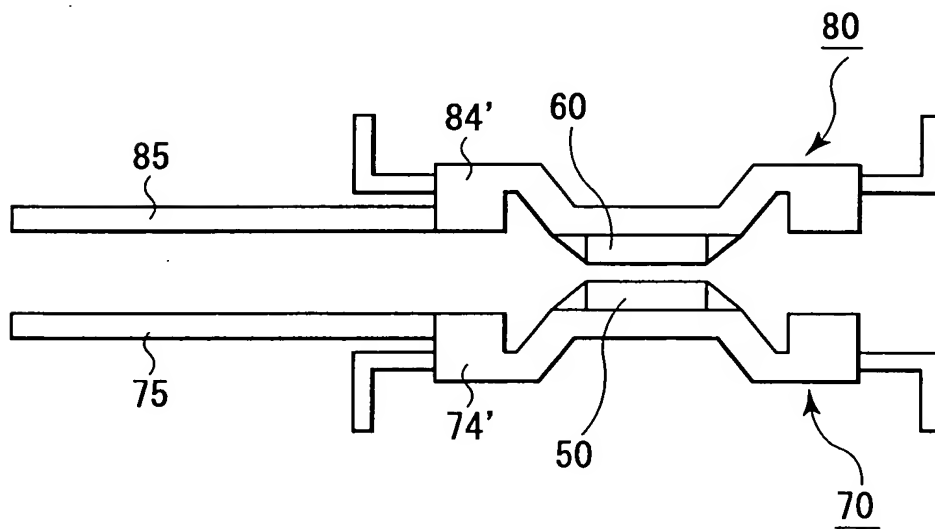


FIG. 21

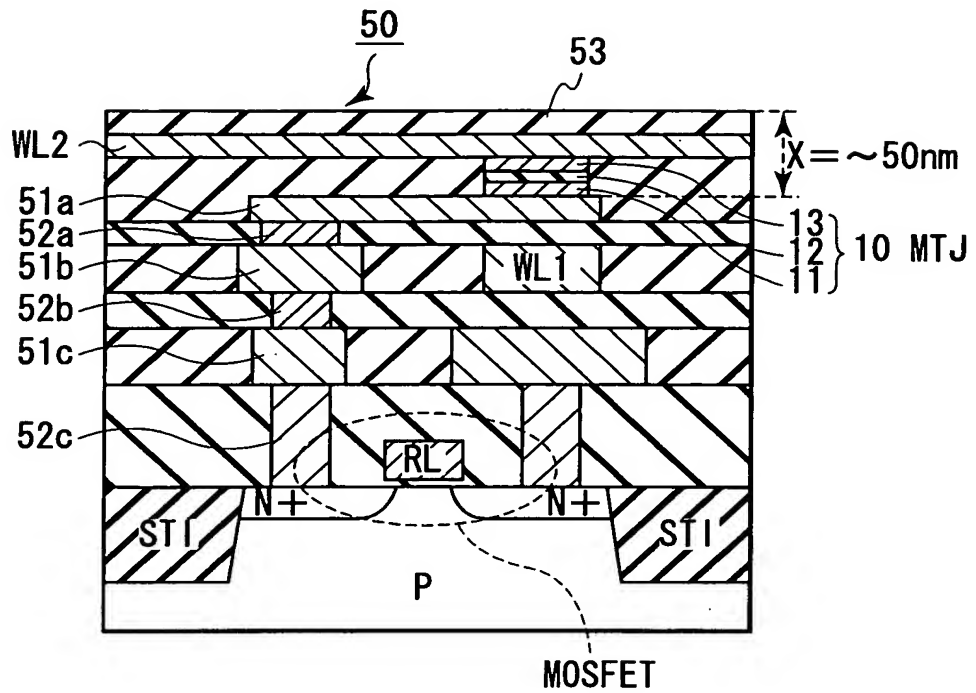


FIG. 22

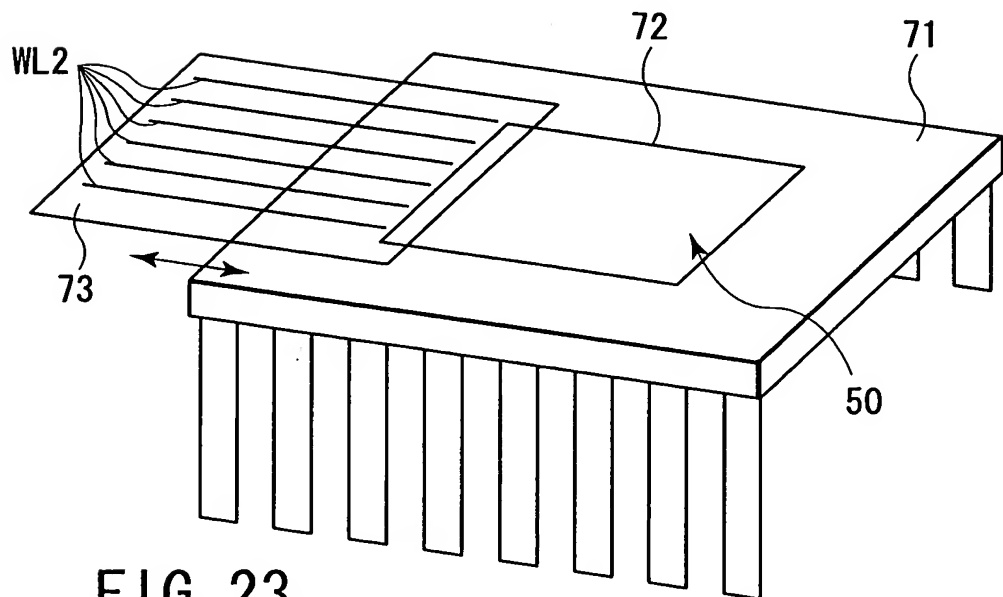
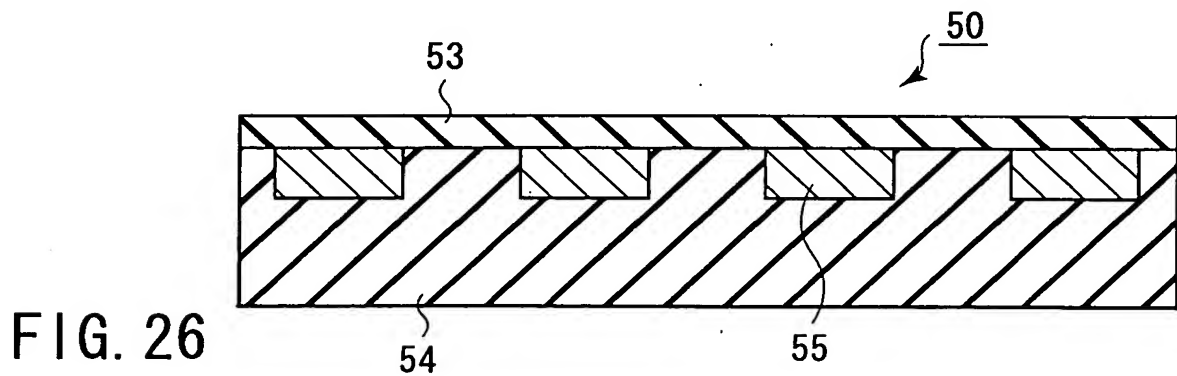
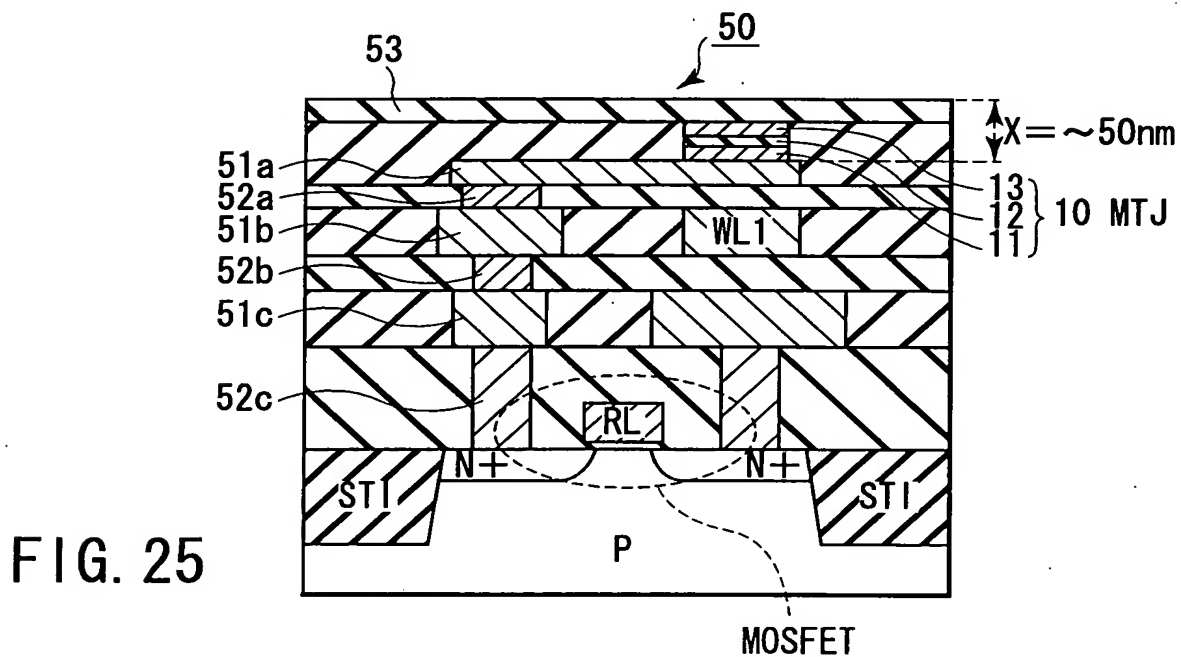
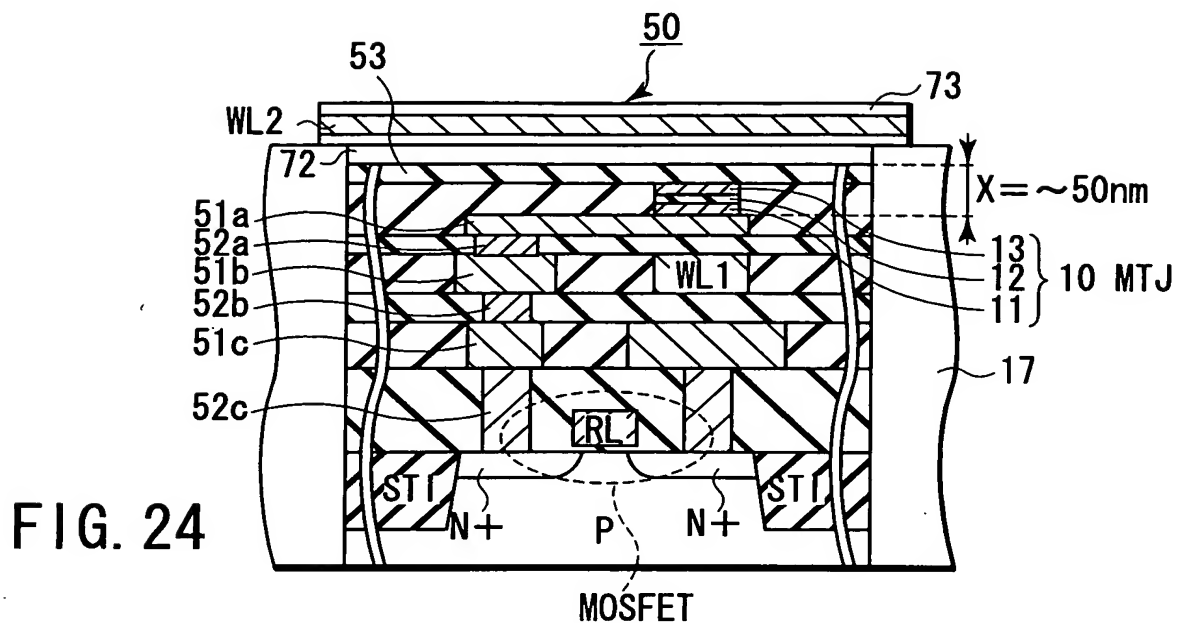
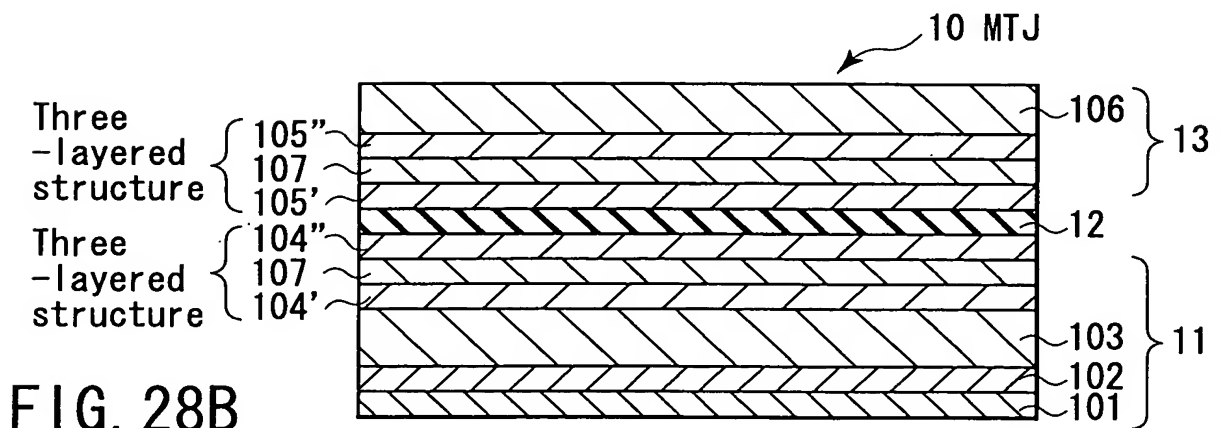
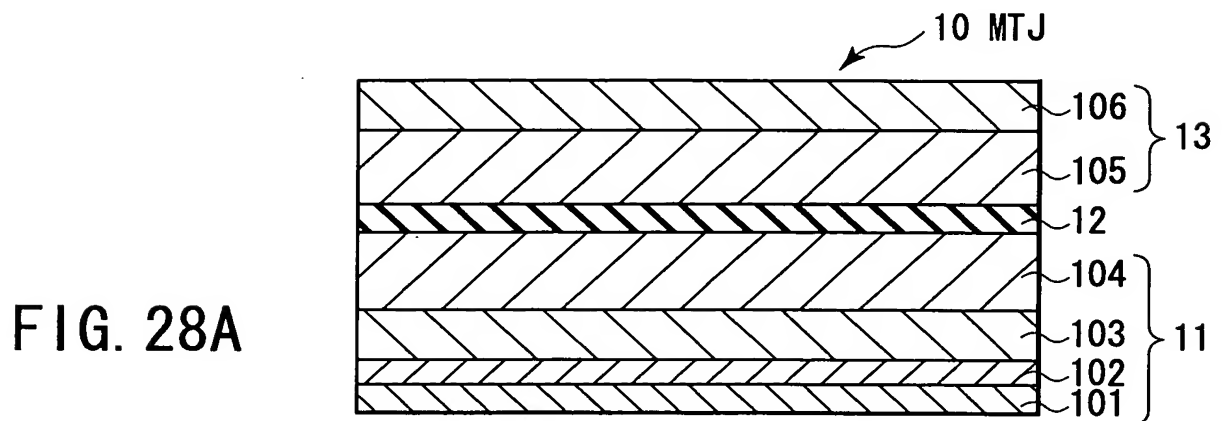
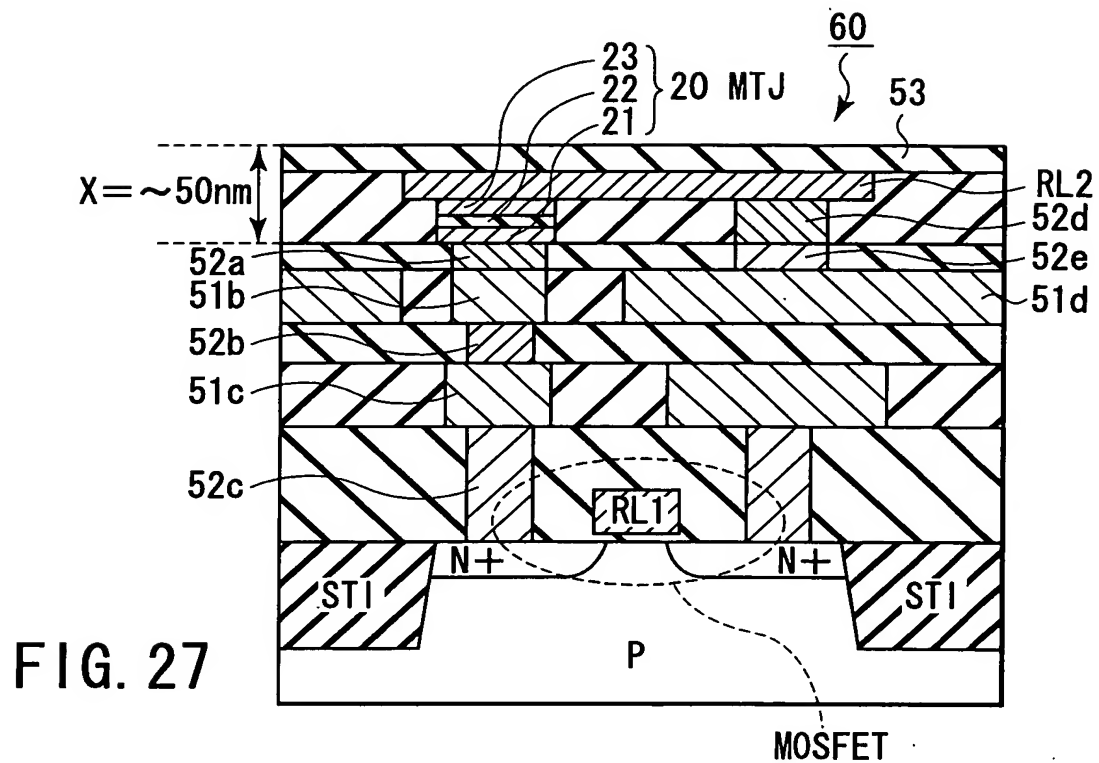


FIG. 23





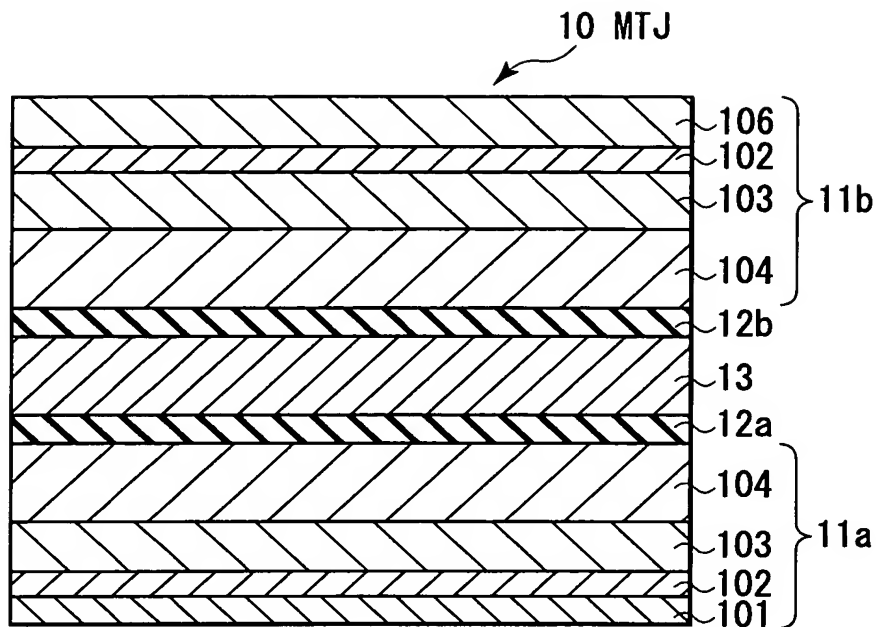


FIG. 29A

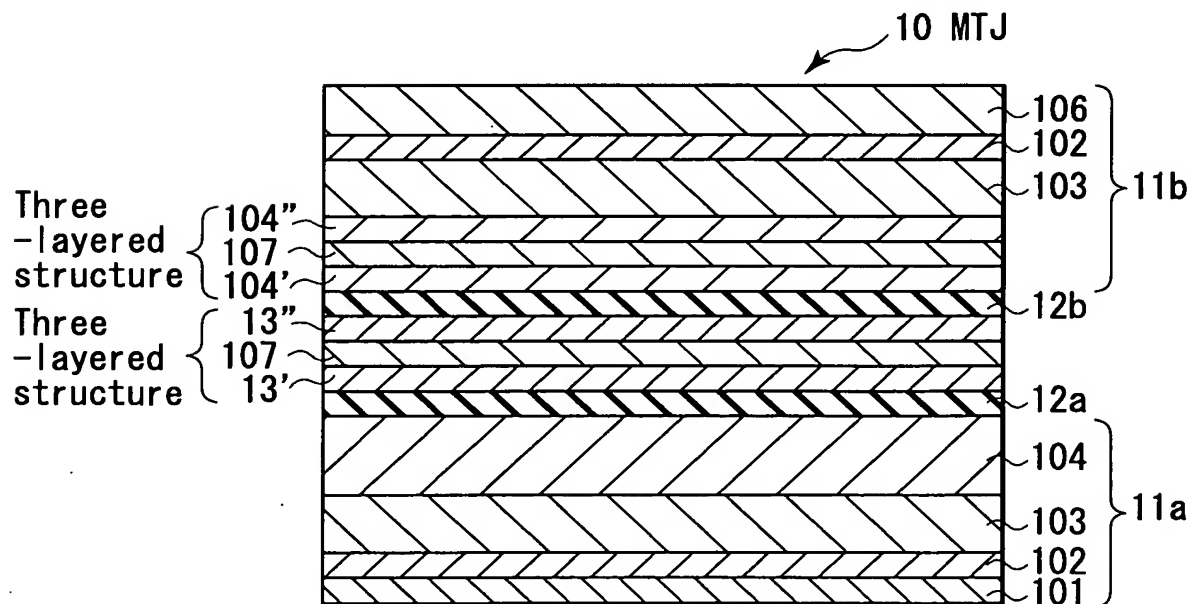
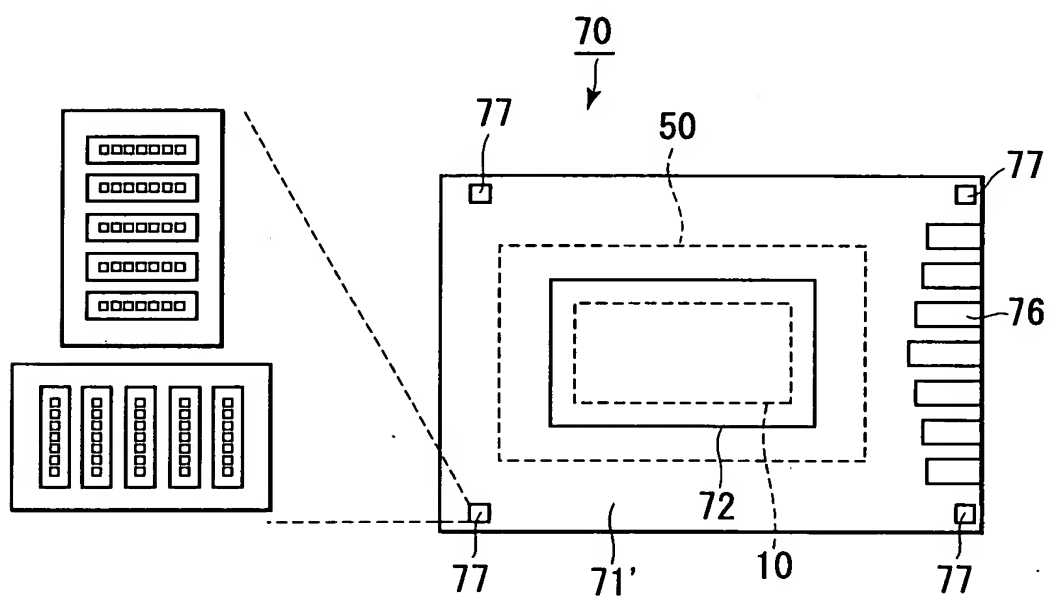


FIG. 29B







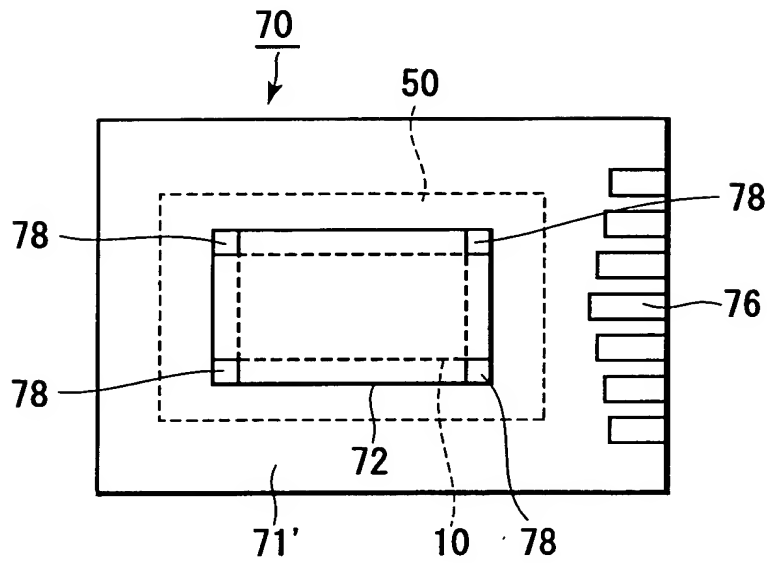


FIG. 33

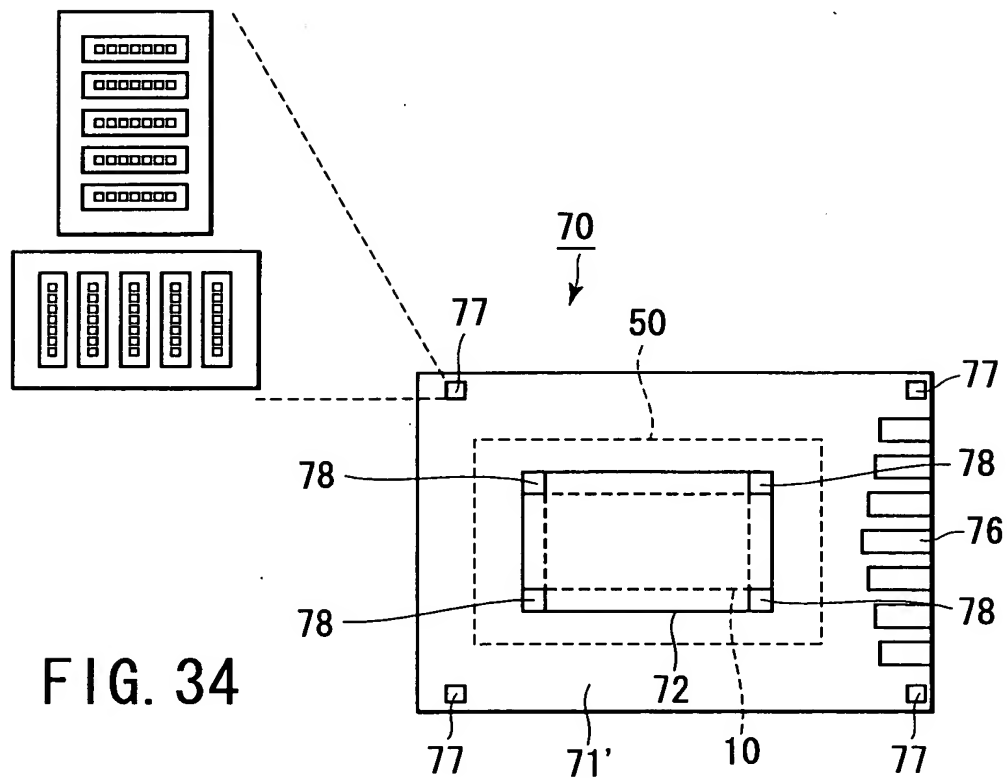


FIG. 34

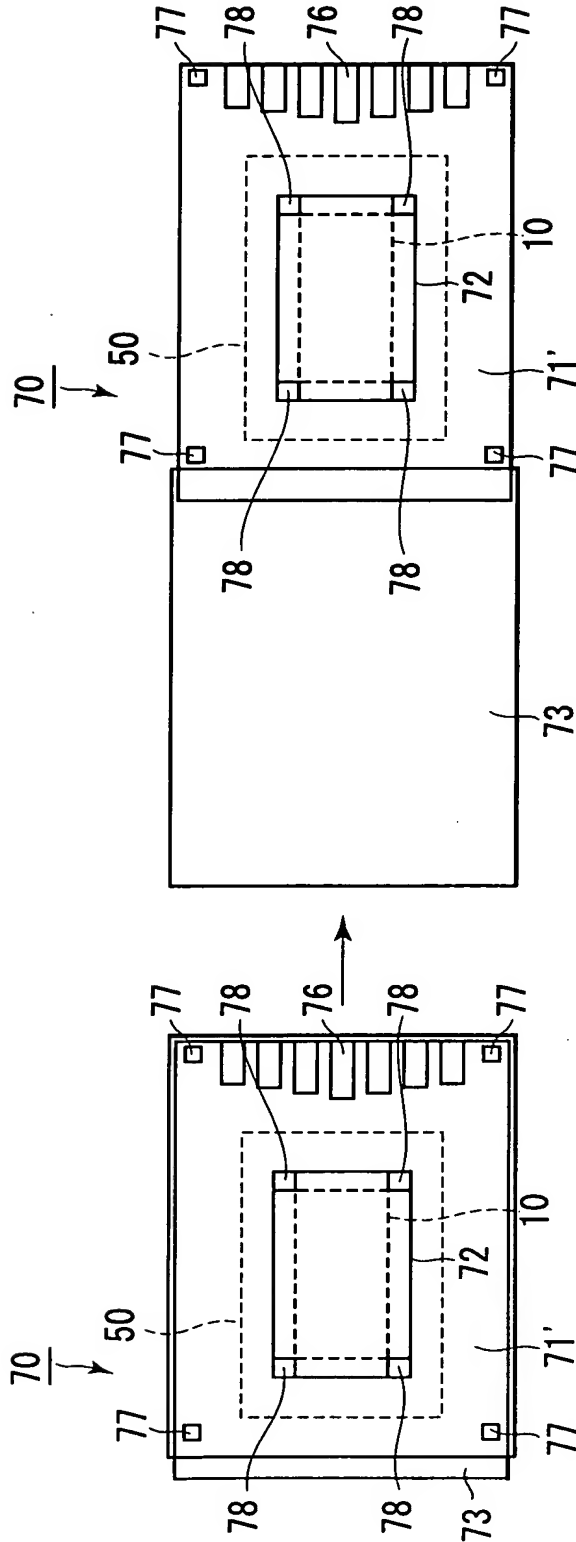


FIG. 35B

FIG. 35A

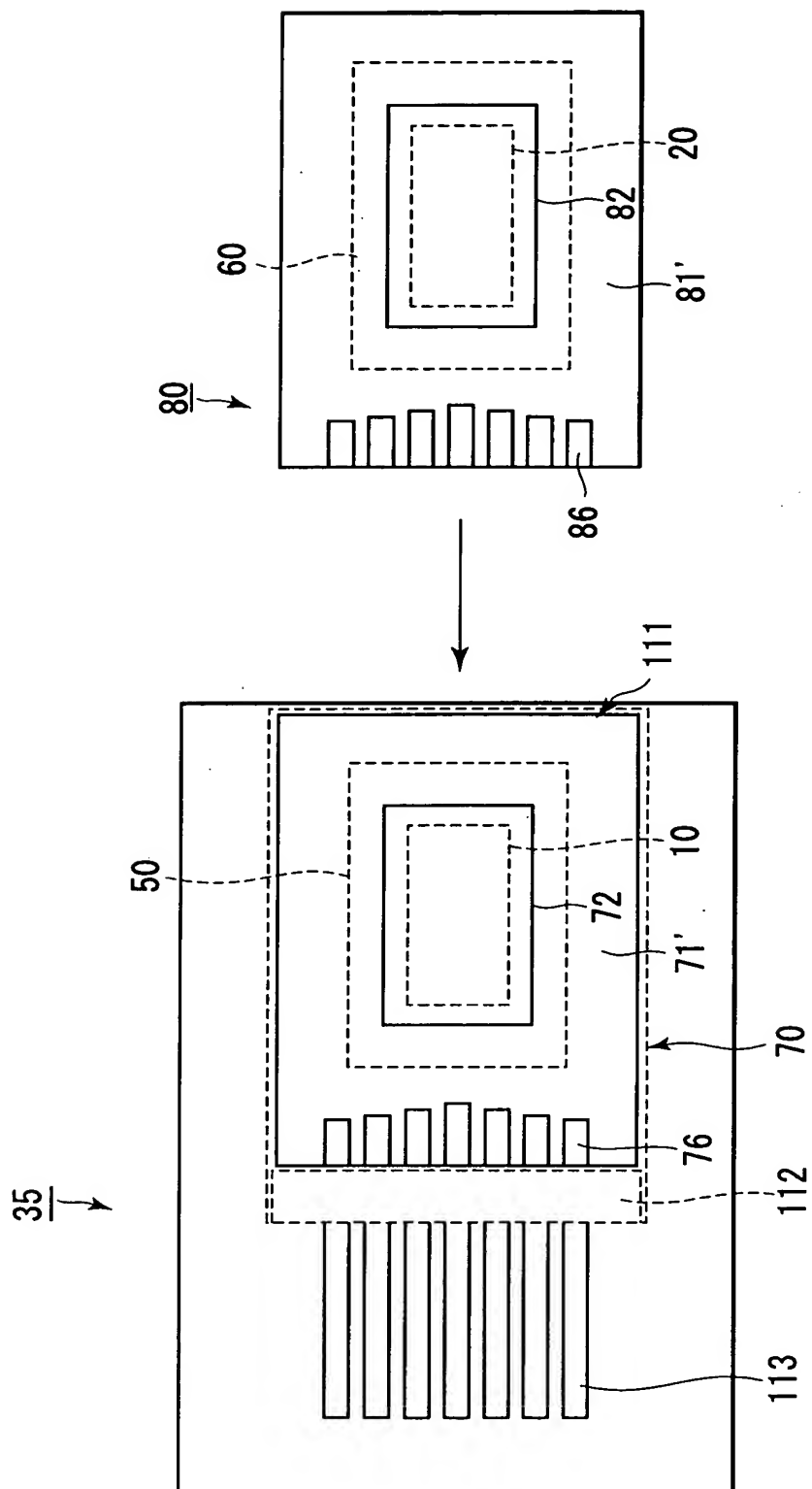
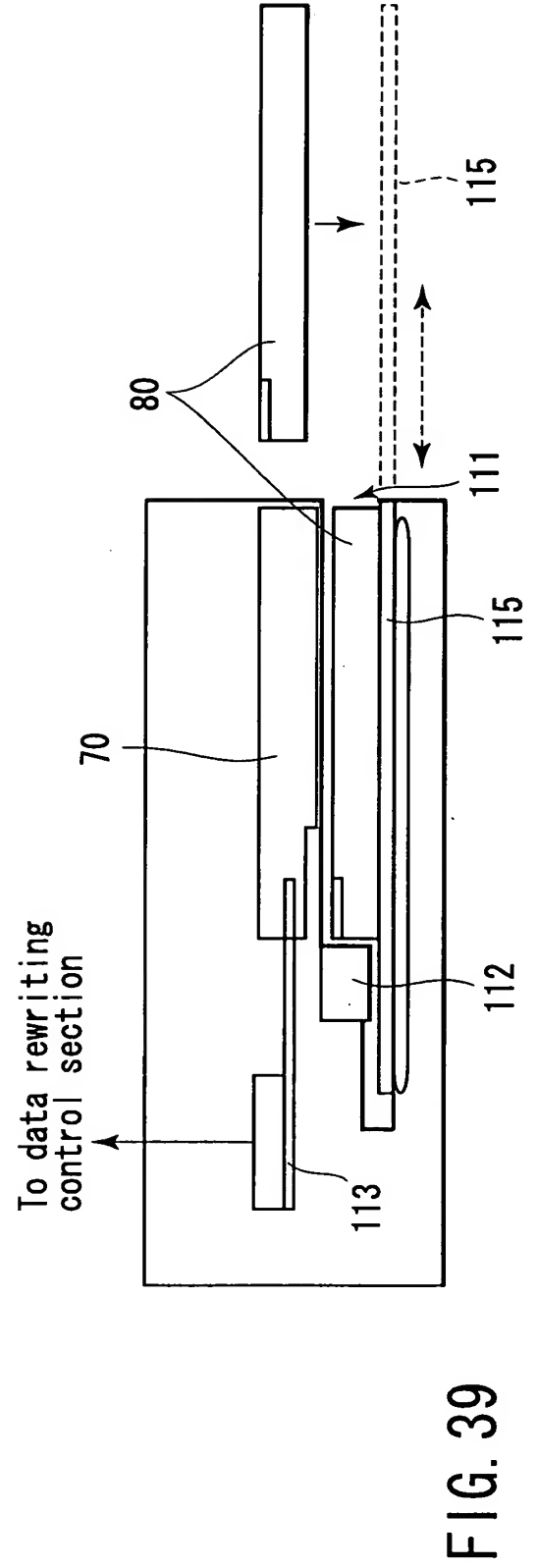
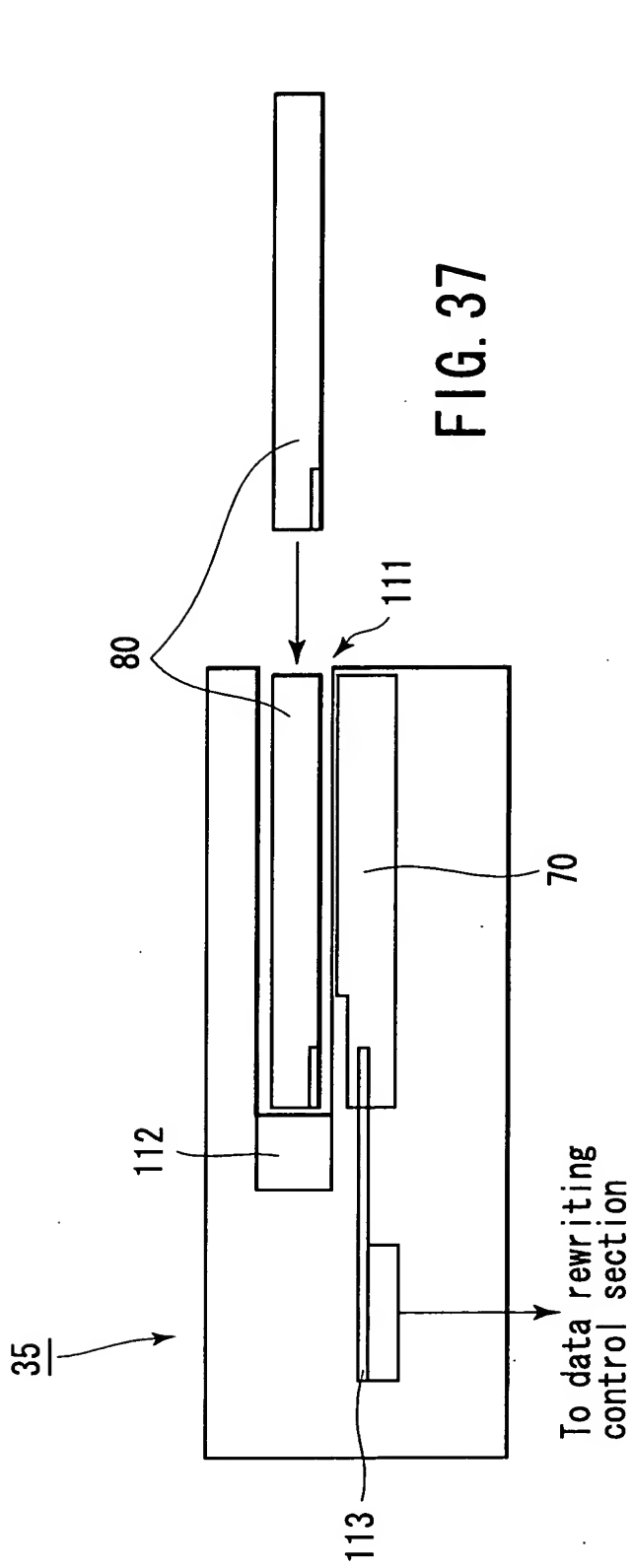


FIG. 36



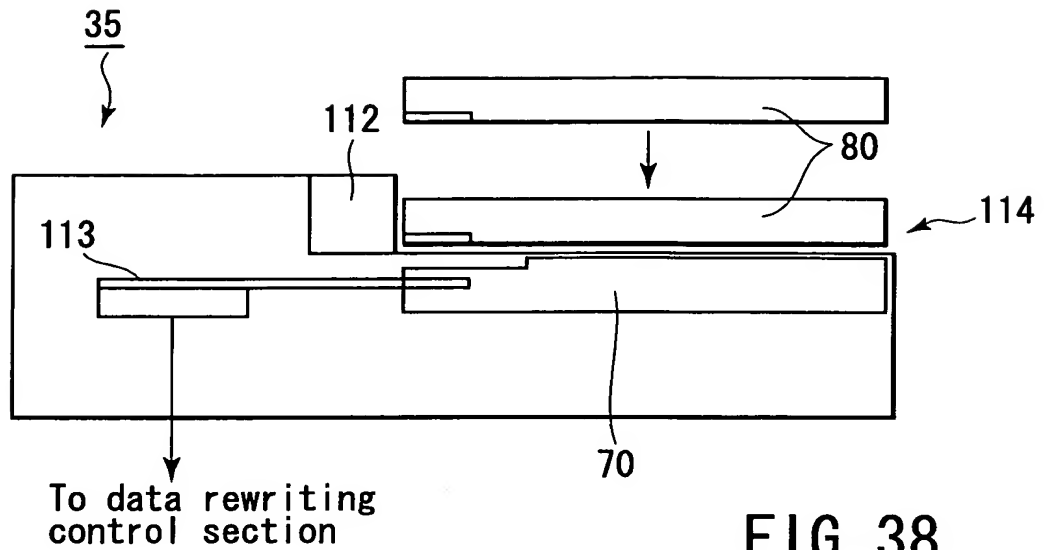


FIG. 38

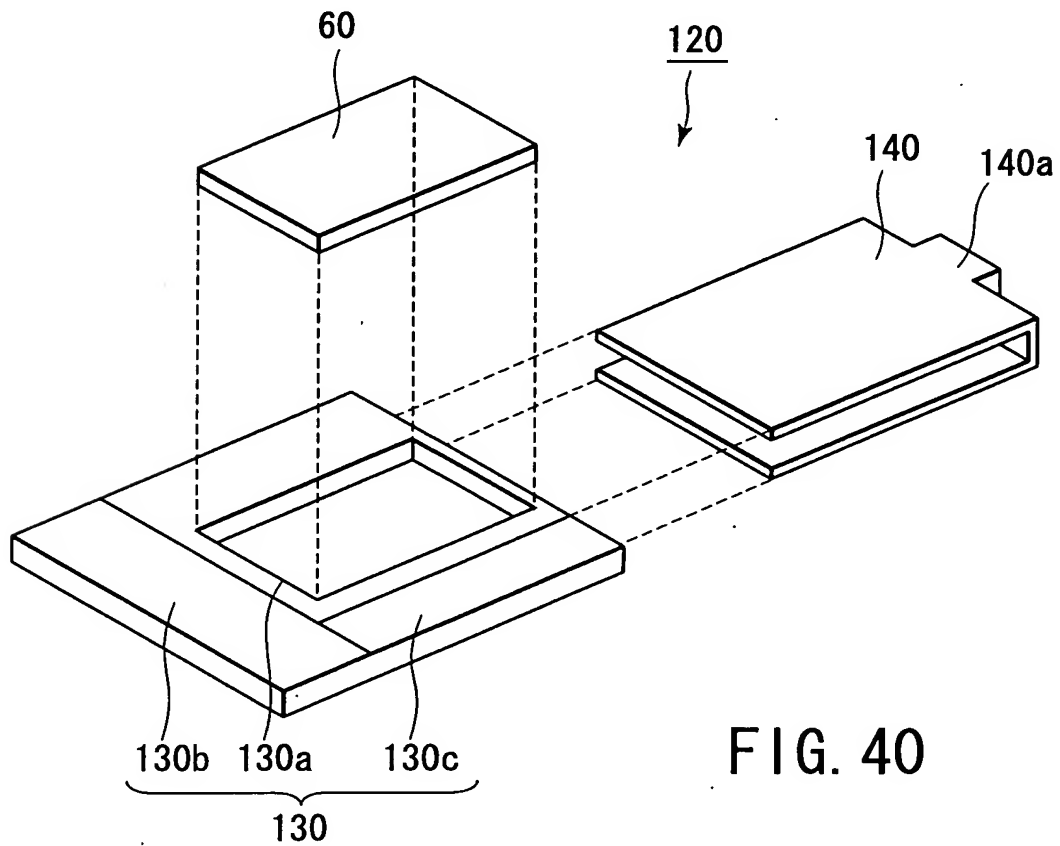
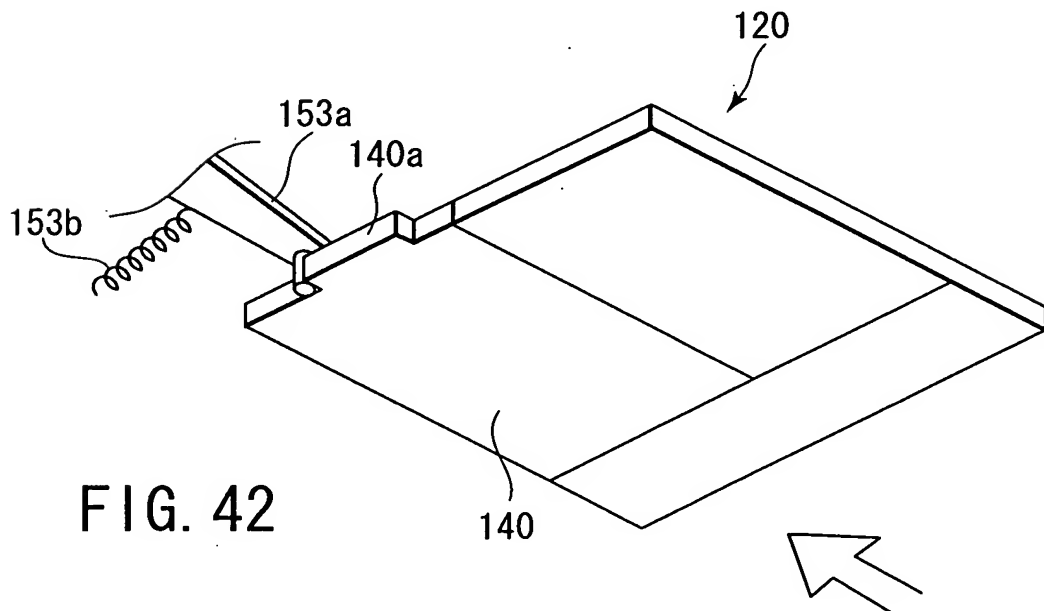
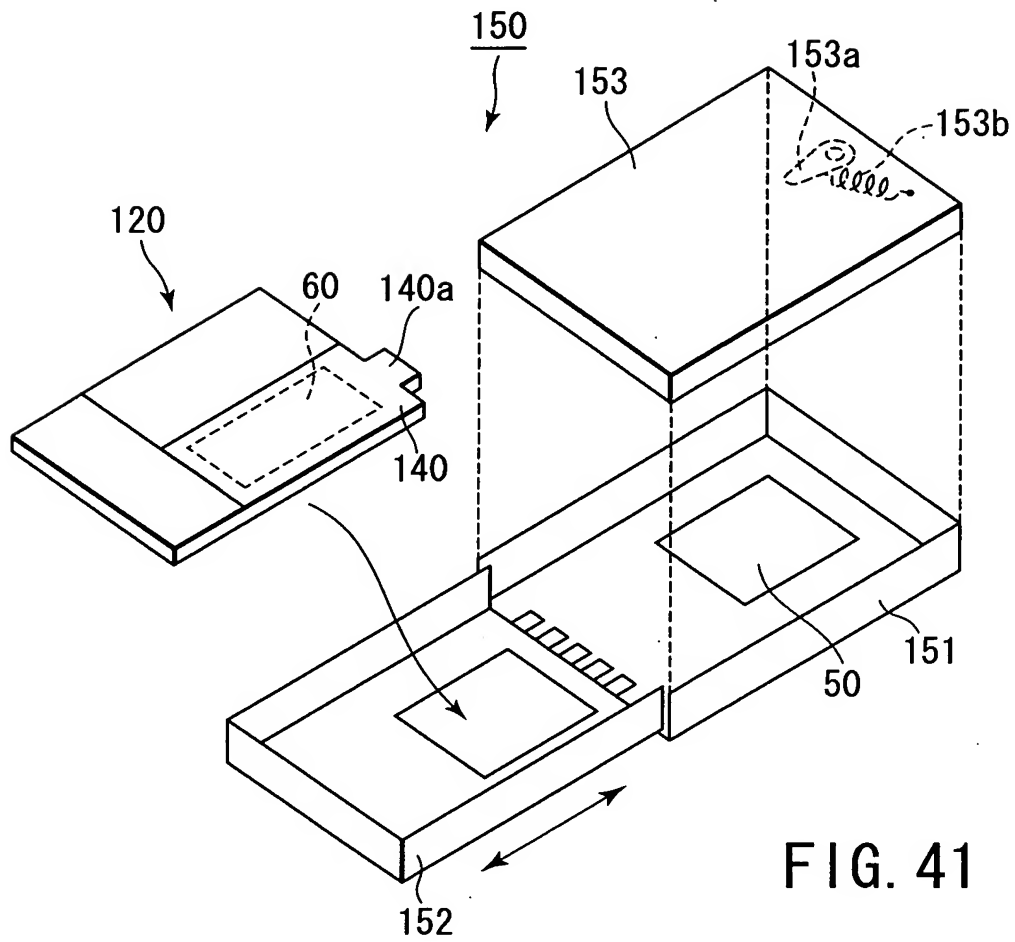
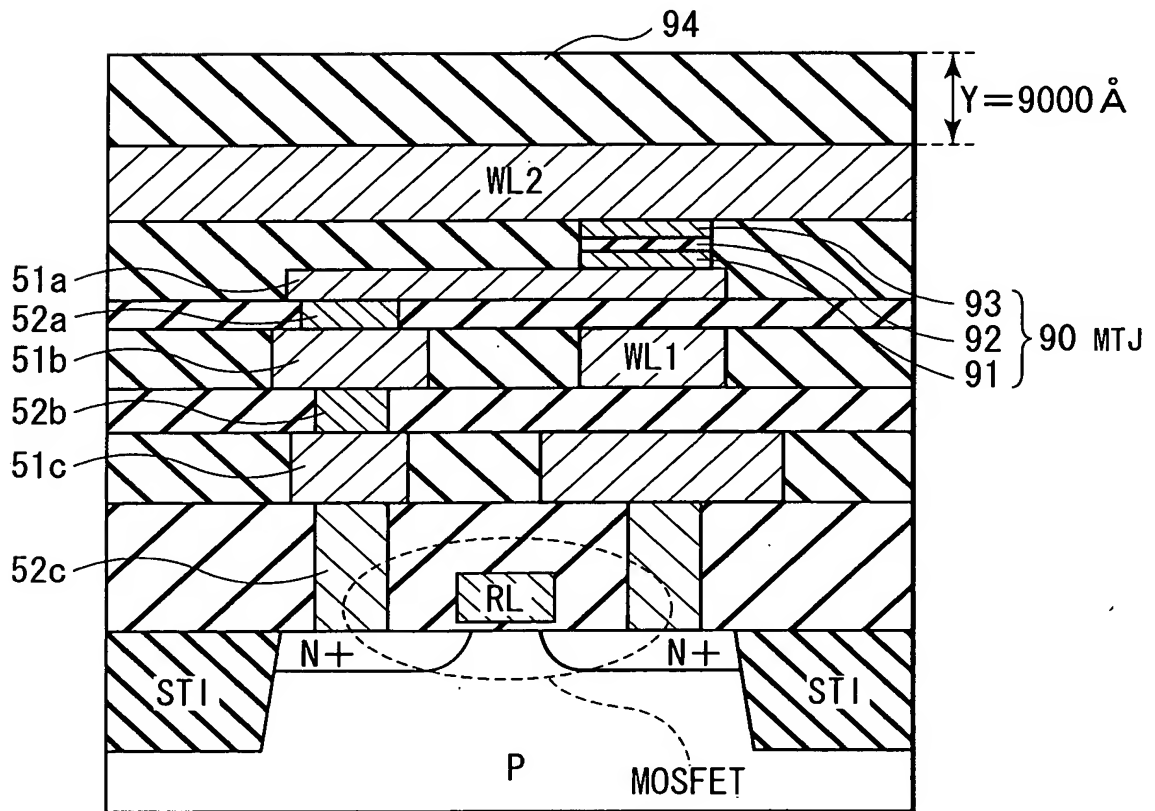
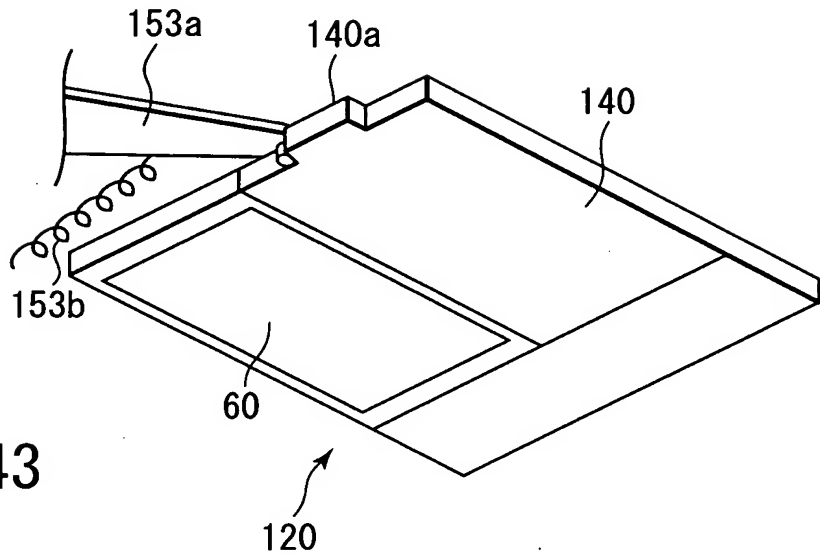
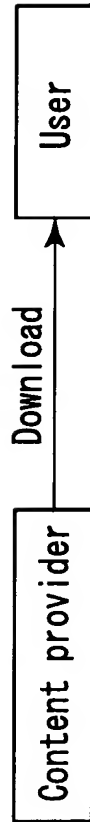


FIG. 40









	DVD	1-2. 5"HDD	3. 5"HDD	FeRAM	MRAM
Transfer speed / Mbps	10-50	30-100	200-1000	1/50nsec.	1/50nsec.
Access time (between tracks)	20msec.	2msec.	0. 5msec.	50sec.	50sec.
Time for downloading	x	x	x	Δ	Δ
Time/sec required for downloading 1 GB data	30000	3000	800	400	400
Time/sec required for downloading 4 GB data	120000	12000	3200	1600	1600
Time/sec required for downloading 20 GB data	Irrelevant	Irrelevant	Irrelevant	8000	8000

FIG. 44